

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	77	(("4155011") or ("6381333") or ("5329062") or ("4272786") or ("4825305") or ("5553117") or ("5610986") or ("4395588") or ("5388159") or ("4259712") or ("4357626") or ("4391398") or ("4462050") or ("4495526") or ("4512424") or ("4551827") or ("4932059") or ("5194996") or ("5274740") or ("5100133") or ("5737720") or ("3610820") or ("3681531") or ("3678221") or ("3893163") or ("3890466") or ("3889061") or ("3885101") or ("3883700") or ("3869583") or ("3865385") or ("3856992") or ("4041207") or ("4145945") or ("4151171") or ("4101840") or ("4243944") or ("4251685") or ("4271439") or ("4286294") or ("4308126") or ("4308327") or ("4322641") or ("4322759") or ("4333113") or ("4352953") or ("4355203") or ("4356349") or ("4358787") or ("4360842") or ("4,597,058") or ("4,186,438") or ("4,335,809") or ("4,654,799") or ("4,528,643") or ("4,703,465") or ("4,787,050") or ("5,418,713") or ("5,341,350") or ("4,958,835") or ("4,956,768") or ("4,922,420") or ("4,761,684") or ("4,667,802") or ("4,658,093") or ("4,652,998") or ("4,636,951") or ("4,582,324") or ("4,572,509") or ("4,521,014") or ("4,412,292") or ("4,335,908") or ("3,982,620") or ("5,191,611") or ("5,058,089") or ("4,766,581") or ("4,949,187"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/02/07 15:38

## EAST Search History

S2	129	((("5,041,921") or ("5,191,573") or ("5,355,302") or ("4,232,295") or ("4,937,807") or ("4,811,325") or ("5,781,889") or ("5,166,886") or ("5,237,157") or ("4,677,565") or ("4,949,187") or ("4,920,432") or ("5,192,999") or ("5,481,509") or ("5,445,295") or ("5,703,795") or ("5,949,688") or ("5,734,719") or ("4,722,053") or ("5,762,552") or ("5,619,247") or ("5,513,117") or ("5,431,492") or ("5,845,104") or ("4,999,806") or ("5,548,729") or ("5,495,610") or ("5,734,961") or ("5,809,246") or ("4,704,804") or ("5,375,206") or ("4,924,378") or ("5,138,712") or ("5,260,999") or ("5,559,505") or ("5,496,178") or ("5,594,509") or ("5,613,909") or ("5,691,778") or ("5,774,672") or ("5,357,276") or ("5,684,716") or ("5,668,592") or ("5,339,413") or ("5,457,305") or ("5,465,213") or ("5,712,976") or ("5,761,655") or ("5,832,287") or ("5,915,094") or ("5,887,193") or ("5,835,843") or ("5,884,028") or ("5,276,866") or ("5,583,994") or ("5,475,835") or ("5,966,495") or ("5,559,549") or ("5,511,000") or ("6,018,337") or ("5,726,909") or ("4,558,413") or ("5,708,811") or ("5,913,040") or ("5,959,869") or ("5,930,765") or ("5,774,668") or ("5,867,714") or ("5,790,856") or ("5,923,885") or ("6.009,274") or ("5,619,698") or ("5,455,926") or ("5,644,766") or ("5,802,599") or ("5,250,747") or ("5,623,666") or ("5,808,224") or ("5,884,298") or ("5,555,244") or ("5,369,778") or ("5,155,847") or ("5,550,577") or ("5,557,541") or ("5,642,337") or ("5,854,887") or ("5,915,238") or ("5,790,671") or ("5,566,237") or ("5,959,945") or ("5,239,480") or ("5,203,028") or ("4,825,054") or ("5,428,252") or ("4,677,311") or ("5,315,161") or ("4,675,538") or ("4,868,832") or ("5,012,121") or ("5,612,581") or ("5,570,363") or ("4,829,570") or ("6,151,634") or ("5,793,980") or ("5,917,835") or ("5,163,131") or ("5,197,094") or ("5,668,788") or ("5,848,398") or ("5,864,870") or ("5,420,923") or ("6,072,982") or ("5,592,551") or ("6,002,720") or ("5,790,172") or ("4,792,849") or ("5,644,714") or ("5,798,785") or	US-PGPUB; USPAT	OR	OFF	2005/02/07 15:18
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## EAST Search History

S3	381	(381/107).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/02/07 15:38
S4	255	S3 and @ad<"20000216"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/07 15:48
S5	21	S4 and digital.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/07 16:00
S7	4	S5 and absolute adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/07 16:01
S8	166	(absolute adj value near amplitude) and (gain volume amplitude) near (control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:19
S9	115	S8 and @ad<"20000216"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:20
S10	2	determine near maximum near (amplitude volume voltage) same absolute adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:22
S11	24	determine near maximum near (amplitude volume voltage) and absolute adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:22
S12	17	S11 and @ad<"20000216"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:24
S13	66	(calculate near possible near (gain volume amplification)) and @ad<"20000216"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:26

## EAST Search History

S14	471	(calculate near (gain amplification)) and @ad<"20000216"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:27
S15	94	(calculate near (gain amplification)) and @ad<"20000216" and (sound music voice audio)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:38
S16	968	((381/57) or (381/321) or (341/139) or (345/345) or (329/350)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:39
S17	627	S16 and @ad<"20000216"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 09:47
S19	17	dynamic adj gain adj adjustment and @ad<"20000612"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 14:47
S20	378	(381/103).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 14:47
S21	315	S20 and @ad<"20000216"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/08 14:47
S22	0	"381"/\$.ccls. and absolute adj value!	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:29
S23	21721	"381"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:29
S24	1180	S23 and absolute	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:29
S25	600	S23 and absolute adj value	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:29
S26	600	S23 and absolute adj value!	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:29
S27	23	(381/102.ccls. or 381/103.ccls.) and absolute adj value	US-PGPUB; USPAT	OR	OFF	2005/09/06 16:18

## EAST Search History

S28	1	("20010016815").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:33
S29	1	("6744882").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:39
S30	1	("6522707").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:40
S31	8	(save store) with frequency with characteristic same (audio sound music)	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:40
S32	7	S31 and @ad<"20000601"	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:43
S33	11	(save store) with amplitude adj value! with frequency	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:43
S34	0	((save store) with amplitude adj value! with (frequency frequencies)) same (audio sound music) and @ad<"20000601"	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:43
S35	1	((save store) with amplitude adj value! with (frequency frequencies)) and (audio sound music) and @ad<"20000601"	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:44
S36	5	((save store) with amplitude adj value! with (frequency frequencies)) and @ad<"20000601"	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:44
S37	1026	(381/102,103,106,107).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:44
S38	700	S37 and @ad<"20000601"	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:45
S40	11	S38 and 700/94.ccls.	US-PGPUB; USPAT	OR	OFF	2005/09/06 15:45
S41	2	("5883963").PN. OR ("6498855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/06 15:51
S42	2117	equalizer and absolute adj value	US-PGPUB; USPAT	OR	OFF	2005/09/06 16:18
S43	2	("5883963").PN. OR ("6498855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 11:58
S44	0	S43 and ratio	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 11:58
S45	1	("5883963").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 12:01

## EAST Search History

S46	2	calculated adj amplitude same maximum adj amplitude same (ratio divi\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 12:02
S47	0	volume adj setting same maximum adj amplitude same (ratio divi\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 12:02
S48	7	volume adj setting same maximum adj volume same (ratio divi\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 12:51
S49	2341	(381/98-109).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/16 12:51
S50	785	S49 and ratio	US-PGPUB; USPAT	OR	OFF	2006/05/16 12:53
S51	602	S50 and @ad<"20001216"	US-PGPUB; USPAT	OR	OFF	2006/05/16 12:53
S52	76	S49 and (ratio near5 (volume amplitude)) and @ad<"20001206"	US-PGPUB; USPAT	OR	OFF	2006/05/16 12:56
S53	0	(normalization normalisation normali\$5) same (maximum adj (amplitude volume)) same ("set volume" "volume setting" "set amplitude" "amplitude setting") same ratio	US-PGPUB; USPAT	OR	OFF	2006/05/16 12:57
S54	17	(maximum adj (amplitude volume)) same ("set volume" "volume setting" "set amplitude" "amplitude setting") same ratio	US-PGPUB; USPAT	OR	OFF	2006/05/16 12:57
S55	1386	((700/94) or (381/102,104)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/22 09:42
S56	869	S55 and @ad>"20000216"	US-PGPUB; USPAT	OR	OFF	2006/05/22 09:42
S57	1327	((700/94) or (381/102,106)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/22 09:42
S58	776	S57 and @ad>"20000216"	US-PGPUB; USPAT	OR	OFF	2006/05/22 09:42